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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,192	12/21/2000	James A. Parker	283-205.03 CON	3152

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EXAMINER

LE, THIEN MINH

ART UNIT	PAPER NUMBER
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2876

DATE MAILED: 12/24/2002

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/746,192

Applicant(s)

PARKER ET AL.

Examiner

Thien M. Le

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 October 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,5,16,19,27,34 and 44 is/are rejected.
- 7) ☒ Claim(s) 3,6-15,17,18,20-33,35-43 and 45 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

The response filed on 10/8/2002 has been entered. Claims 1-45 remain for examination.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in–

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

Claims 1-2, 4-5, 16, 19, 27, 34, and 44 are rejected under 35

U.S.C. 102(e) as being anticipated by Danielson et al. (herein Danielson – 6,149,062; newly cited).

Regarding claim 1, Danielson discloses a hand-held data processing system of modular structure includes a base unit that couples with a reader unit as well as other units. The other units can include display, printing,

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communication or other interface functionality. The base unit can also function when separate from the reader unit and the other units. The base unit can include an indicia reader or a display component. In addition, the base unit, reader unit and the other units can possess the capability of coupling with an accessory module such as a memory device, processor or microcomputer. The reader unit and the other units can include power supplies that can supply power to the base unit. Finally, a combined assembly of a base unit and a reader or other unit can be of a size that fits within a shirt pocket.

According to Danielson, the system includes a core module which should be able to communicate with a host and with peripheral devices, for downloading of the application programs into the core module and for communicating with all types of input/output devices such as those referred to herein. Extensive flexibility in the communication protocol is provided for example by using two high speed serial channels capable of being programmed as asynchronous, byte synchronous or bit synchronous. Eight input/output contacts provide electrical connection to the outside; The charge and ground contacts may be fixed while the other contacts may be programmable as serial channels, clocked data channels, analog inputs or outputs, or event inputs and outputs. The concept of using peripheral shell modules for selective coupling with the core module offers complete expansion capability with minimal development time to enter new markets. Typical shell modules

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could comprise graphics LCD display means providing a touch keyboard, digitizer

tablet means, printers, laser bar code readers, RF modules, smart card interfaces, disk systems, full travel keyboards, larger displays, local area network interfaces, et cetera. Optionally, as illustrated in FIGS. 34, 35 and 36, for example, the core module may have a built-in minimal input/output capability such as may be achieved by using a graphics LCD display on one face of the core module for output and a touch responsive keyboard directly behind and defined by the display. The display, for example, may comprise 64.times.128 pixels, or eight lines by twenty-one characters, and may support any character set that can be defined. This is ideal for foreign applications. Since the keyboard is defined by the display, it will naturally be in the same language. The display (and keyboard) may be backlit by a built-in electroluminescent panel. Many stand-alone applications for such a core module would require bar code scanning and thus a built-in scanner is illustrated at 1212, 1214, FIG. 34. IE Such a display would have the ability to use icons (pictorial images) as labels for keyboard locations, and to change them as the application requires. Further, Danielson discloses that application programs can be downloaded to said accessory module which can be a memory as has been discussed above.

As can be seen, Danielson discloses the claimed invention.

Allowable Subject Matter

Claims 3, 6-15, 17-18, 20-33, 35-43, and 45 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien M. Le whose telephone number is (703) 305-3500. The examiner can normally be reached on Monday - Friday from 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (703) 305-3503. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-5841 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

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Le, Thien M.
Primary Examiner
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December 19, 2002